

# **Climate Control Technician**

**General Statement of Duties:** Under general supervision, performs various mechanical and electrical duties in the maintenance and repair of air-conditioning, heating, ventilation, refrigeration, boilers, and peripheral systems to ensure a comfortable, safe, and healthy work environment.

**Examples of Work:** (Illustrative Only)

- Repairs all air-conditioning, heating, ventilation, refrigeration, boilers, and peripheral systems equipment
- Troubleshoots and diagnoses equipment when malfunctions occur and repairs and/or replaces parts as necessary
- Installs portable equipment such as heating appliances, ventilating equipment, cooling units or evaporative coolers; closed steam systems or hot or chilled water piping within heating or cooling equipment; component parts that do not alter original equipment; and related unit refrigeration systems
- Operates boiler system to maintain proper water temperature for production of methane gas needed to produce electricity and fuel for boiler system
- Performs preventative maintenance for all equipment including cleaning, tightening, replacing oil and grease, inspecting components, etc. according to manufacturers guidelines; makes appropriate adjustments to equipment as required
- Monitors, repairs, and installs pneumatic, electrical and electronic controls to ensure proper operation of control system and adjusts controls to recommended setting
- Tests equipment using special tools and testing equipment, reviews measurements, and makes adjustments to ensure acceptable operation
- Reviews and interprets blueprints, plans, and specifications to determine tolerances and procedures for proper operation and maintenance/repair of equipment
- Estimates time, parts, tools, and equipment needed for repair and maintenance projects and completes appropriate forms to obtain items
- Performs other rated duties as required

**Required Knowledge, Skills and Abilities:**

- Knowledge of proper operation and maintenance of heating, ventilation, air-conditioning, and refrigeration equipment/systems and equipment required to repair those systems
- Knowledge of Federal, State, and local codes and guidelines affecting the operation and replacement of heating, ventilation, and refrigeration systems and the equipment required to maintain and repair those systems
- Knowledge of the operation and maintenance of boilers
- Skill in the proper operation repair of heating, ventilation, air-conditioning, and refrigeration equipment/systems and the equipment required to repair those systems
- Skill in reading and interpreting technical manuals, blueprints, and schematic drawings
- Skill in basic mathematical computation sufficient to develop project estimates, calculate readings, etc.

- Skill in communications and interpersonal skills as applied to interaction with coworkers and supervisor sufficient to exchange or convey information and to receive work direction
- Knowledge to operate, troubleshoot, and maintain building automation systems
- Knowledge to operate, troubleshoot, and maintain variable frequency drives and other logic controllers
- Ability to interact with co-workers, supervisors, and others in a respectful and considerate manner to satisfactorily perform the essential duties of the class and not to inhibit others from performing their essential duties

**Acceptable Experience and Training:**

- High School Diploma or GED
- Possession of a two year certificate in heating, air-conditioning, and refrigeration
- Three years of previous Journeyman experience in the maintenance and repair of heating, air-conditioning, and refrigeration systems or an equivalent combination of education and experience to successfully perform the essential duties of the job such as those listed above.

**License or Other Requirements:**

- Possession of a valid Third Class Engineer's license preferred
- Certification as a Universal Refrigerant Technician preferred
- Possession of a valid driver's license or evidence of equivalent mobility

**Physical Requirements:**

- The ability to stand from 51% to 75% of the time; to reach overhead, bend, stoop, walk, and lift from 26% to 50% of the time; and to climb, balance, squat, kneel, crouch, crawl, push, pull, type, and sit up to 25% of the time; ability to use up to fifty (50) pounds of force to move objects up to 33% of the time; to use up to twenty (20) pounds of force to move objects from 34% to 66% of the time; and to use up to ten (10) pounds of force to move objects from 67% to 100% of the time; ability to work both in and out of doors in all weather conditions, in high places, in confined spaces, in dusty environments, in high noise levels
- Must have the ability and be willing to respond to work requests and emergencies during non-work hours, including nights and weekends